

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

10/501979

In re Patent Application of

Ralf Strumpler

Group Art Unit:

Application No.:

Examiner:

Filing Date: Herewith

Confirmation No.:

Title: MICRO-ELECTROMECHANICAL SYSTEM AND METHOD FOR ITS MANUFACTURE

FIRST
INFORMATION DISCLOSURE STATEMENT
TRANSMITTAL LETTER

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Enclosed is a FIRST Information Disclosure Statement and accompanying form PTO-1449 for the above-identified patent application.

- ☒ No additional fee for submission of an IDS is required.
- ☐ The fee of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e), and the fee of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) are also enclosed.
- ☐ Charge _____ to Deposit Account No. 02-4800 for the fee due.
- ☐ A check in the amount of _____ is enclosed for the fee due.
- ☐ Charge _____ to credit card. Form PTO-2038 is attached.

The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

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By [Signature] Reg No 32,858
Robert S. Swecker

Date: July 16, 2004

[Signature] Registration No. 19,885

10/501979

DT09 Rec'd PCT/PTO 16 JUL 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Ralf Strümpfer (inventors)

claiming Priority under 35 U.S.C. 119

of application No.: PCT/US02/01662 and 02405334.0

in: US and EP

with filing date of: 2002-01-18 and 2002-04-24

U.S. Serial Number:

U.S. filing date:

Title: Micro-electromechanical system and method for its manufacture

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

Honorable Commissioner of Patents and Trademarks, Washington, D.C. 20231

Sir:

Submitted herewith is a Search Report/Examination Report issued in a corresponding foreign patent application by the

European Patent Office	(X)
German Patent Office	()
_____	()

1. We wish to make of record the certain citations listed in the Search Report/Examination Report in accordance with 37 CFR 1.97.

2. The relevance of each listed item with regard to the different claims of the above-identified application according to the opinion of the Search Authority/Examination Authority, is indicated in the Search Report/Examination Report

by reference to certain categories which are explained on the Report sheet or in MPEP on page 1800 - 55, resp. (x)

(1)

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3. The claims as filed in the above-identified U.S. patent application

correspond to (x)

are different from ()

the claims for which the Search Report/Examination Report has been established.

4. Copies of the references cited are enclosed herewith.

All citations (x)

All relevant citations except U.S. patents ()

5. English translations of pertinent portions of any non-English references are enclosed herewith, if such translation is readily available.

6. No copies are enclosed herewith of references which are characterized by an "A" in the Search Report/Examination Report, since "A" indicates that such reference is not relevant for the invention. ()

Additionally, copies of the references cited in the specification are enclosed. (x)

Respectfully submitted,

Date: 2004-07-07

by:


Thomas Kreutz

Substitute for form 1449A/PTO & 1449B/PTO		Complete if Known	
FIRST INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/501979
		Filing Date	DT09 Rec'd PCT/PTO 16 JUL 2001
		First Named Inventor	Ralf Strumpler
		Examiner Name	
Sheet 1 of 1	Attorney Docket Number	004501-783	

U.S. PATENT DOCUMENTS				
Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)
	5,638,946		Zavracky	06-17-1997
	5,677,823		Smith	10-14-1997
	6,057,520		Goodwin-Johansson	05-02-2000
	6,168,395	B1	Quenzer et al.	01-02-2001

FOREIGN PATENT DOCUMENTS											
Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	STATUS						
					Translation	Partial Translation	Eng. Lang. Summary	Search Report	IPER	Abstract	Cited in Spec
	*42 05 029	C1	Germany	02-11-1993							*
	*197 36 674	C1	Germany	11-26-1998							*
	*198 00 189	A1	Germany	07-22-1999							*

NON-PATENT LITERATURE DOCUMENTS	
Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	*QIU et al., "A Centrally-Clamped Parallel-Beam Bistable MEMS Mechanism, Proc. Of MEMS 2001, Interlaken Switzerland, January 20-22, 2001, pages 1-4.
	*TAHER et al., "On a Tunable Bistable MEMS-Theory and Experiment", Journal of Microelectromechanical Systems, Vol. 9, June 2000, pages 157-170.
	*SUN et al., "A Bistable Microrelay Based on Two-Segment Multimorph Cantilever Actuators", IEE Catalog No. 98CH36176, January 25-29, 1998, pages 1-12.

* COPY ATTACHED

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.